CLAIMS

The following is claimed:

I	1. A conveyor comprising:		
2	a modular conveyor belt including:		
3	a plurality of mat-top chains having a plurality of cavities; and		
4	a plurality of first rollers disposed in the cavities of the mat-top		
5	chains; and		
6	at least one second roller that operatively couples to the first rollers such		
7	that the first rollers rotate as the conveyor belt travels along the second roller.		
1	2. The conveyor as defined in claim 1, wherein the at least one second roller		
2	is located underneath the conveyor belt and the at least one second roller rotates in a		
3	direction transverse to the rotational direction of the first rollers as the conveyor belt		
4	travels along the at least one second roller.		
1	3. The conveyor as defined in claim 1, wherein the at least one second roller		
2	is positioned to rotate substantially perpendicular to the direction of belt travel.		
1	4. The conveyor as defined in claim 1, wherein the mat-top chains comprise		
2	hinge elements that link multiple mat-top chains together to form a conveyor belt.		
1	5. The conveyor as defined in claim 4, wherein the hinge elements comprise		
2	interleaved hinge elements having axially aligned holes.		
1	6. The conveyor as defined in claim 1, further comprising a plurality of		
2	support members that supports the conveyor belt.		

1	7. The conveyor as defined in claim 1, wherein the at least one second roller			
2	is vertically displaceable toward or away from the conveyor belt, wherein when the at			
3	least one second roller is displaced toward the conveyor belt and engages the first rollers,			
4	the at least one second roller rotates the first rollers as the conveyor belt travels along the			
5	at least one second roller.			
1	8. A conveyor as defined in claim 7, wherein the at least one second roller is			
2	vertically displaced toward or away from the conveyor belt using an air actuator,			
3	3 hydraulic actuator, ball screw actuator, or solenoid actuator.			
1	9. The conveyor as defined in claim 1, wherein rotation of the at least one			
2	second roller causes the first rollers to rotate with reduced slippage.			
1	10. The conveyor as defined in claim 1, wherein the first rollers are aligned in			
2	the cavities of the mat-top at an angle that is different from the direction of belt travel			
3	enabling the first rollers to convey objects toward the sides or the middle of the conveyor			
4	belt.			
1	11. A conveyor comprising:			
2	a modular conveyor belt including:			
3	a plurality of mat-top chains having a plurality of cavities; and			
4	a plurality of first rollers disposed in the cavities of the mat-top chains;			
5	and			
6	at least one second roller that operatively couples to the first rollers such			
7	that the first rollers rotate and the at least one second roller rotates in a direction			
8	transverse to the rotational direction of the first rollers as the conveyor belt travels along			
9	the at least one second roller, wherein the rotation of the at least one second roller causes			
10	the first rollers to rotate with reduced slippage.			

1	12.	The conveyor as defined in claim 11, wherein the at least one second roller		
2	is located underneath the conveyor belt.			
1	13.	The conveyor as defined in claim 11, wherein the at least one second roller		
2	is positioned t	o rotate substantially perpendicular to the direction of belt travel.		
1	14.	The conveyor as defined in claim 11, wherein the mat-top chains comprise		
2	hinge element	s that link multiple mat-top chains together to form a conveyor belt.		
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1	15.	The conveyor as defined in claim 14, wherein the hinge elements comprise		
2	interieaved nii	nge elements having axially aligned holes.		
1	16.	The conveyor as defined in claim 11, further comprising a plurality of		
2	support memb	ers that supports the conveyor belt.		
1	17.	The conveyor as defined in claim 11, wherein the at least one second roller		
2	is vertically di	splaceable toward or away from the conveyor belt, wherein when the at		
3	least one secon	least one second roller is displaced toward the conveyor belt and engages the first rollers,		
4	the at least one	the at least one second roller rotates the first rollers as the conveyor belt travels along the		
5	at least one sec	cond roller.		
1	18.	A conveyor as defined in claim 17, wherein the at least one second roller is		
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3	vertically displaced toward or away from the conveyor belt using an air actuator, hydraulic actuator, ball screw actuator, or solenoid actuator.			
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1	19.	The conveyor as defined in claim 11, wherein the first rollers are aligned		
2	in the cavities of the mat-top at an angle that is different from the direction of belt travel			
3	enabling the first rollers to convey objects toward the sides or the middle of the conveyor			
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1	20. A method for conveying objects, the method comprising:			
2	driving a modular conveyor belt in a direction of belt travel;			
3	rotating a plurality of first rollers disposed in the modular conveyor belt in			
4	a manner in which slippage of the first rollers is reduced; and			
5	conveying objects on the conveyor belt using the rotating first rollers.			
1	21. The method as defined in claim 20, wherein rotating the first rollers			
2	comprises engaging the first rollers with the at least one second roller as the conveyor belt			
3 travels along the at least one second roller.				
1	22. The method as defined in claim 20, wherein rotating the first rollers			
2	comprises rotating the first rollers by rotating the at least one second roller in a direction			
3	substantially transverse to the rotational direction of the first rollers as the conveyor belt			
4	travels along the at least one second roller.			
1	23. The method as defined in claim 20, wherein rotating the first rollers			
2	comprises selectively rotating the first rollers with the at least one second roller.			
1	24. The method as defined in claim 23, wherein selectively rotating the first			
2	rollers comprises vertically displacing the at least one second roller toward the conveyor			
3	belt and engaging the first rollers, the at least one second roller rotating the first rollers as			
4	the conveyor belt travels along the at least one second roller.			
4				
1	25. The method as defined in claim 20, wherein rotating the first rollers			
2	comprises rotating the first rollers at an angle that is different from the direction of the			
3	belt travel.			
1	26. The method as defined in claim 20, wherein conveying objects on the			
2	conveyor belt comprises conveying objects toward the sides or the middle of the modular			
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conveyor belt.